

Converting Colors

$Y_{xy}(19.6967, 0.3375, 0.4273)$

Have a look what the booklet for
Yxy(19.6967, 0.3375, 0.4273)
contains.

Yxy(19.6851, 0.3378, 0.4281)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.6851, 0.3378, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	6B8251
RGB	107, 130, 81
RGB Percent	42%, 51%, 32%
CMY	0.5803, 0.4902, 0.6824
CMYK	0.18, 0.00, 0.38, 0.49
HSL	88°, 23%, 41%
HSV	88°, 38%, 51%
XYZ	15.5329, 19.6851, 10.7645
YIQ	117.5370, 2.0210, -20.1150

Conversions

Conversions Part 2

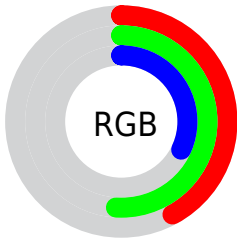
Format	Color
R_{YB}	81, 130, 104
Decimal	7045713
CIE _{Lab}	51.48, -17.50, 23.87
CIE _{LCh}	51, 29.591, 126.245
Yxy	19.6851, 0.3378, 0.4281
Android (android.graphics.Color)	4285235793 (0xFF6B8251)
YUV	117.5370, -18.0127, -9.2409
Hunter-Lab	44.3679, -15.1522, 16.6726

Details

The Yxy color **19.6851, 0.3378, 0.4281** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.4375, 0.2781, 0.2290**, and the grayscale version is **18.0227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8766, 0.3330, 0.4041**, and **6.9057, 0.3429, 0.4744** is the 20% darker color. If you saturate the color by 10%, you get **19.1445, 0.3430, 0.4565**, and if you desaturate by 10%, it is **20.2914, 0.3317, 0.3999**.

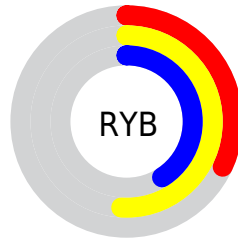
Distribution



Red (42%)

Green (51%)

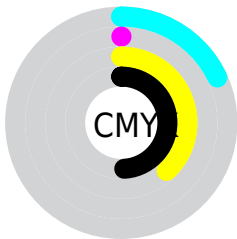
Blue (32%)



Red (32%)

Yellow (51%)

Blue (41%)

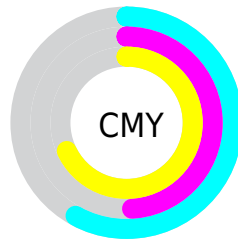


Cyan (18%)

Magenta (0%)

Yellow (38%)

Black (49%)



Cyan (58%)

Magenta (49%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6851, 0.3378, 0.4281 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 19.6851, 0.3378, 0.4281 by changing the saturation by 10% instead.

■ 19.6851, 0.3378,
0.4281

■ 19.6851, 0.3378,
0.4281

■ 250.2052, 0.3249,
0.3697

■ 12.1664, 0.3407,
0.4465

■ 42.8886, 0.3332,
0.4043

■ 6.8571, 0.3439,
0.4730

■ 59.3421, 0.3314,
0.3961

■ 3.3729, 0.3462,
0.5136

■ 79.5427, 0.3299,
0.3896

■ 1.3294, 0.3700,
0.6300

■ 103.8748, 0.3286,
0.3842

■ 0.1638, 0.0000,
1.0000

■ 132.7226, 0.3275,
0.3797

■ 0.0000, 0.0000,
0.0000

166.4707, 0.3265,

0.3758

205.5035, 0.3257,
0.3725

■ 19.6851, 0.3378,
0.4281

■ 19.6851, 0.3378,
0.4281

■ 19.1445, 0.3430,
0.4565

■ 20.2914, 0.3317,
0.3999

■ 18.6644, 0.3469,
0.4842

■ 20.9633, 0.3250,
0.3728

■ 18.2427, 0.3491,
0.5097


■ 21.7040, 0.3181,
0.3473

■ 17.8761, 0.3493,
0.5319


■ 22.5158, 0.3111,
0.3237

■ 17.5610, 0.3473,
0.5495


■ 23.4007, 0.3044,
0.3022


 17.2902, 0.3437,
0.5629

 24.3608, 0.2979,
0.2827

 17.2315, 0.3429,
0.5660

 25.3980, 0.2917,
0.2651

 26.5141, 0.2860,
0.2493

 27.7110, 0.2806,
0.2353

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



19.6851, 0.3873, 0.4213



19.6851, 0.3378, 0.4281



19.6851, 0.2840, 0.4006

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



19.6851, 0.3378, 0.4281



19.6851, 0.2162, 0.2578



19.6851, 0.3881, 0.3058

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



19.6851, 0.3378, 0.4281



10.4375, 0.2781, 0.2290

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



19.6851, 0.3355, 0.2702



19.6851, 0.3378, 0.4281



19.6851, 0.2382, 0.2425

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



19.6851, 0.3378, 0.4281



19.6851, 0.2167, 0.2947



19.6851, 0.2804, 0.2476



19.6851, 0.4193, 0.3482

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



19.6851, 0.3378, 0.4281



19.6851, 0.2530, 0.3670



19.6851, 0.2804, 0.2476



19.6851, 0.3720, 0.2929

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



19.6860, 0.3378, 0.4281



37.7457, 0.3205, 0.3562



15.2130, 0.3836, 0.3734



8.5109, 0.3213, 0.3590



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.6860, 0.3378, 0.4281



33.8680, 0.3422, 0.4518



18.3811, 0.3094, 0.4373



4.9223, 0.3190, 0.3508



16.5269, 0.3430, 0.5659



0.0000, 0.0000, 0.0000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



10.4375, 0.2781, 0.2290



15.1862, 0.2682, 0.2048



12.1135, 0.3144, 0.2391



4.3028, 0.3060, 0.3072



2.4994, 0.1995, 0.0873



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 19.6851, 0.3378, 0.4281 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.6851, 0.3378, 0.4281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.6851, 0.3378, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 19.6851, 0.3378, 0.4281.



This preview shows how white text looks on a background with the Yxy color 19.6851, 0.3378, 0.4281.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

19.6851, 0.3378, 0.4281

Protanopia

19.4557, 0.3793, 0.4098

Deuteranopia

19.4737, 0.3932, 0.3865



Tritanopia

19.7536, 0.2925, 0.3121

Trichromacy



Original Color

19.6851, 0.3378, 0.4281

Protanomaly

19.5168, 0.3642, 0.4167

Deuteranomaly

19.4491, 0.3721, 0.4012

Tritanomaly

19.5814, 0.3092, 0.3525

Monochromacy



Original Color

19.6851, 0.3378, 0.4281

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.5164, 0.3223, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6851, 0.3378, 0.4281 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(107, 130, 81)` looks like.

```
.text, #text, p{  
    color:rgb(107, 130, 81)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(107, 130, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 130, 81) }
```

Border

The CSS property to change the border of an element to Yxy 19.6851, 0.3378, 0.4281 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 130, 81) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(107, 130, 81) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(107, 130, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 130, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 130, 81);  
box-shadow:4px 4px 4px 4px rgb(107, 130,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6851, 0.3378, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 130, 81) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(107,  
130, 81) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor